

# 2013 Portfolio Analysis Projects

## QUESTION 4: WHICH TREATMENTS AND INTERVENTIONS WILL HELP?

2013 Projects: 268

2013 Funding: \$58,065,840

### 4.S.A

Support at least three randomized controlled trials that address co-occurring medical conditions associated with ASD by 2010. *IACC Recommended Budget: \$13,400,000 over 3 years.*

2013 Projects: 6

2013 Funding: \$1,687,680

Project Title	Principal Investigator	Institution	Funding	Funder
A Controlled Trial of Transcendental Meditation to Treat Anxiety and Stress Among Adolescents with Autism Spectrum Disorders	Black, David	Center for Autism Assessment and Treatment	\$10,400	Autism Research Institute
<a href="#">Anxiety treatment for children with autism and intellectual disability</a>	Danial, John	University of California, Los Angeles	\$27,460	Autism Speaks
<a href="#">Autism Intervention Research Network on Physical Health (AIR-P network)</a>	Perrin, James	Massachusetts General Hospital	\$1,139,942	Heath Resources and Services Administration
<a href="#">The effects of intranasal oxytocin on social cognition and neural activity</a>	Young, Larry	Emory University	\$421,790	National Institutes of Health
<a href="#">Sleep education program for adolescents with autism spectrum disorders</a>	Loring, Whitney	Vanderbilt University	\$20,000	Organization for Autism Research
<a href="#">Treating autism and epileptic discharges with valproic acid</a>	Spence, Sarah	Boston Children's Hospital	\$68,088	Simons Foundation

### **4.S.B**

Standardize and validate at least 20 model systems (e.g., cellular and/or animal) that replicate features of ASD and will allow identification of specific molecular targets or neural circuits amenable to existing or new interventions by 2012. *IACC Recommended Budget: \$75,000,000 over 5 years.*

**2013 Projects: 86**

**2013 Funding: \$14,344,873**

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Role of astrocytic glutamate transporter GLT1 in fragile X</a>	Higashimori, Haruki	Tufts University	\$0	Autism Science Foundation
<a href="#">Using induced-pluripotent stem cells to study Phelan McDermid Syndrome</a>	Shcheglovitov, Oleksandr	Stanford University School of Medicine	\$0	Autism Science Foundation
<a href="#">Identifying high-impact therapeutic targets for autism spectrum disorders using rat models</a>	Buxbaum, Joseph	Mount Sinai School of Medicine	\$137,173	Autism Speaks
<a href="#">Preclinical Autism Consortium for Therapeutics</a>	Crawley, Jacqueline	University of California, Davis	\$94,331	Autism Speaks
<a href="#">Preclinical Autism Consortium for Therapeutics (PACT)</a>	Crawley, Jacqueline	University of California, Davis	\$200,894	Autism Speaks
<a href="#">Functional study of synaptic scaffold protein SHANK3 and autism mouse model</a>	Jiang, Yong-hui	Duke University	\$0	Autism Speaks
<a href="#">Evaluating hyperserotonemia as a biomarker of sensory dysfunction in autism spectrum disorder</a>	Muller, Christopher	Vanderbilt University	\$28,600	Autism Speaks
<a href="#">Integrative system biology of iPSC-induced neurons for identifying novel drug targets</a>	Pati, Soumya	Baylor College of Medicine	\$56,900	Autism Speaks
<a href="#">Rat knockout models of ASD</a>	Paylor, Rich	Baylor College of Medicine	\$0	Autism Speaks
<a href="#">Preclinical Autism Consortium for Therapeutics (PACT) at Baylor College of Medicine</a>	Paylor, Rich	Baylor College of Medicine	\$98,351	Autism Speaks
<a href="#">Mechanism and treatment of ASD related behavior in the Cntnap2 knockout mouse model</a>	Penagarikano, Olga	University of California, Los Angeles	\$60,000	Autism Speaks

<a href="#">Temporally controlled genetic rescue of Shank3 autism model</a>	Powell, Craig	University of Texas Southwestern Medical Center	\$60,000	Autism Speaks
<a href="#">Preclinical Autism Consortium for Therapeutics (PACT)-Boston Children's Hospital Site</a>	Sahin, Mustafa	Boston Children's Hospital	\$91,174	Autism Speaks
<a href="#">Preclinical Autism Consortium for Therapeutics (PACT)- Boston Children's Hospital</a>	Sahin, Mustafa	Boston Children's Hospital	\$172,009	Autism Speaks
<a href="#">Preclinical therapeutic target validation of glutamate receptors in Shank3 models of autism</a>	Speed, Haley	University of Texas Southwestern Medical Center	\$58,900	Autism Speaks
<a href="#">Effects of oxytocin receptor agonists in mouse models of autism spectrum disorder phenotypes</a>	Teng, Brian	University of North Carolina at Chapel Hill	\$50,600	Autism Speaks
<a href="#">Novel approaches to enhance social cognition by stimulating central oxytocin release</a>	Young, Larry	Emory University	\$119,499	Autism Speaks
Characterization of synaptic and neural circuitry dysfunction underlying ASD-like behaviors using a novel genetic mouse model	Fu, Zhanyan	Duke University	\$0	Brain & Behavior Research Foundation
Cellular and molecular pathways of cortical afferentation in autism spectrum disorders	Jabaudon, Denis	University of Geneva	\$45,000	Brain & Behavior Research Foundation
Adverse prenatal environment and altered social and anxiety-related behaviors	Reyes, Teresa	University of Pennsylvania	\$15,000	Brain & Behavior Research Foundation
<a href="#">Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells</a>	Gage, Fred	Salk Institute for Biological Studies	\$0	Department of Defense
<a href="#">Novel therapeutic targets to treat social behavior deficits in autism and related disorders</a>	Gould, Georgianna	University of Texas Health Science Center at San Antonio	\$0	Department of Defense
<a href="#">Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes</a>	Jarstfer, Michael	University of North Carolina at Chapel Hill	\$0	Department of Defense
<a href="#">Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X</a>	Jongens, Thomas	University of Pennsylvania	\$0	Department of Defense

<a href="#">Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes</a>	Moy, Sheryl	University of North Carolina at Chapel Hill	\$0	Department of Defense
<a href="#">Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes</a>	Pedersen, Cort	University of North Carolina at Chapel Hill	\$0	Department of Defense
<a href="#">Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells</a>	Wynshaw-Boris, Anthony	University of California, San Francisco	\$0	Department of Defense
<a href="#">Effects of chronic intranasal oxytocin</a>	Bales, Karen	University of California, Davis	\$526,020	National Institutes of Health
<a href="#">Modeling the serotonin contribution to autism spectrum disorders</a>	Blakely, Randy	Vanderbilt University Medical Center	\$222,643	National Institutes of Health
<a href="#">Identifying therapeutic targets for autism using Shank3-deficient mice</a>	Buxbaum, Joseph	Mount Sinai School of Medicine	\$466,151	National Institutes of Health
<a href="#">A novel translational model of autism spectrum disorder</a>	Chan, Anthony Wing Sang	Emory University	\$267,750	National Institutes of Health
<a href="#">Serotonin, autism, and investigating cell types for CNS disorders</a>	Dougherty, Joseph	Washington University in St. Louis	\$235,867	National Institutes of Health
<a href="#">Exploring the neuronal phenotype of autism spectrum disorders using induced pluri</a>	Hallmayer, Joachim	Stanford University	\$180,391	National Institutes of Health
<a href="#">Functional analysis of rare variants in genes associated with autism</a>	Hoffman, Ellen	Yale University	\$146,625	National Institutes of Health
<a href="#">Animal model of speech sound processing in autism</a>	Kilgard, Michael	University of Texas at Dallas	\$239,188	National Institutes of Health
<a href="#">Investigating the role of CNTNAP2 gene in vocal learning in mutant songbirds</a>	Lois, Carlos	University of Massachusetts Medical School	\$197,609	National Institutes of Health
<a href="#">Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome</a>	Lomvardas, Stavros	University of California, San Francisco	\$277,269	National Institutes of Health
<a href="#">Vicarious neural activity, genetic differences and social fear learning</a>	Panksepp, Jules	Oregon Health & Science University	\$53,942	National Institutes of Health
<a href="#">Training in translational social neuroscience</a>	Parr, Lisa	Emory University	\$98,163	National Institutes of Health

<a href="#">Novel genetic models of autism</a>	Powell, Craig	University of Texas Southwestern Medical Center	\$415,328	National Institutes of Health
<a href="#">Neurexin function in vivo: Implications for autism and mental retardation</a>	Powell, Craig	University of Texas Southwestern Medical Center	\$373,032	National Institutes of Health
<a href="#">Striatal synaptic abnormalities in models of autism</a>	Powell, Craig	University of Texas Southwestern Medical Center	\$381,600	National Institutes of Health
<a href="#">Reversing BDNF impairments in Rett mice with TRPC channel activators</a>	Pozzo-Miller, Lucas	University of Alabama at Birmingham	\$256,375	National Institutes of Health
<a href="#">Mechanisms of stress-enhanced aversive conditioning</a>	Radulovic, Jelena	Northwestern University	\$366,000	National Institutes of Health
<a href="#">Tooth pulp as a source for neuronal precursor cells to study neurogenetic disorders</a>	Reiter, Lawrence	University of Tennessee Health Science Center	\$217,125	National Institutes of Health
<a href="#">Studies of genetic and metabolic disorders, autism and premature aging</a>	Rennert, Owen	National Institutes of Health	\$1,446,354	National Institutes of Health
<a href="#">Neurobiological signatures of social dysfunction and repetitive behavior</a>	Veenstra-Vanderweele, Jeremy	Vanderbilt University Medical Center	\$374,400	National Institutes of Health
<a href="#">Characterization of the schizophrenia-associated 3q29 deletion in mouse</a>	Warren, Stephen	Emory University	\$528,118	National Institutes of Health
<a href="#">Oxytocin receptors and social behavior</a>	Young, Larry	Emory University	\$422,748	National Institutes of Health
<a href="#">Roles of oxytocin and vasopressin in brain</a>	Young, Walter	National Institutes of Health	\$1,496,471	National Institutes of Health
<a href="#">Comprehensive Phenotyping of Autism Mouse Models</a>	Abel, Edwin	The University of Pennsylvania	\$416,495	Simons Foundation
<a href="#">Synaptic pathophysiology of 16p11.2 model mice</a>	Bear, Mark	Massachusetts Institute of Technology	\$250,000	Simons Foundation
<a href="#">Role of cadherin 8 in assembling circuits in the prefrontal cortex</a>	Benson, Deanna	Mount Sinai School of Medicine	\$62,376	Simons Foundation
<a href="#">16p11.2 deletion mice: autism-relevant phenotypes and treatment discovery</a>	Crawley, Jacqueline	University of California, Davis	\$200,000	Simons Foundation

<a href="#">Characterization of brain and behavior in 7q11.23 duplication syndrome-Project 1</a>	Crawley, Jacqueline	University of California, Davis	\$90,713	Simons Foundation
<a href="#">Establishing next-generation tools for quantitative behavioral phenotyping</a>	Datta, Sandeep	Harvard Medical School	\$0	Simons Foundation
<a href="#">Dissecting the circuits underlying autism-like behaviors in mice</a>	Feng, Guoping	Massachusetts Institute of Technology	\$175,000	Simons Foundation
<a href="#">Role of Caspr2 (CNTNAP2) in brain circuits - Project 2</a>	Geschwind, Daniel	University of California, Los Angeles	\$0	Simons Foundation
<a href="#">A mouse model of top-down interactions</a>	Gilbert, Charles	The Rockefeller University	\$0	Simons Foundation
<a href="#">16p11.2 deletion mice: Autism-relevant phenotypes and treatment discovery</a>	Hallmayer, Joachim	Stanford University	\$200,000	Simons Foundation
<a href="#">Optical imaging of circuit dynamics in autism models in virtual reality</a>	Harvey, Christopher	Harvard Medical School	\$0	Simons Foundation
<a href="#">The role of glutamate receptor interacting proteins in autism</a>	Huganir, Richard	Johns Hopkins University School of Medicine	\$249,999	Simons Foundation
<a href="#">Investigating the effects of chromosome 22q11.2 deletions</a>	Karayorgou, Maria	Columbia University	\$150,000	Simons Foundation
<a href="#">Understanding copy number variants associated with autism</a>	Katsanis, Nicholas	Duke University Medical Center	\$250,000	Simons Foundation
<a href="#">Control of synaptic protein synthesis in the pathogenesis and therapy of autism</a>	Kelleher, Raymond	Massachusetts General Hospital	\$148,914	Simons Foundation
<a href="#">Functional consequences of disrupted MET signaling</a>	Levitt, Pat	Children's Hospital Los Angeles	\$0	Simons Foundation
<a href="#">Role of RAS/RAF/ERK pathway in pathogenesis and treatment of autism</a>	Li, Xiaohong	New York State Institute for Basic Research in Developmental Disabilities	\$0	Simons Foundation
<a href="#">Role of Caspr2 (CNTNAP2) in brain circuits - Project 1</a>	Marin, Oscar	King's College London	\$79,675	Simons Foundation
<a href="#">Perinatal choline supplementation as a treatment for autism</a>	Mellott, Tiffany	Boston University	\$0	Simons Foundation
<a href="#">16p11.2: defining the gene(s) responsible</a>	Mills, Alea	Cold Spring Harbor Laboratory	\$175,000	Simons Foundation
<a href="#">16p11.2: Defining the gene(s) responsible (grant 1)</a>	Mills, Alea	Cold Spring Harbor Laboratory	\$104,190	Simons Foundation

<a href="#">Deficits in tonic inhibition and the pathology of autism spectrum disorders</a>	Moss, Stephen	Tufts University	\$62,500	Simons Foundation
PsychoGenics Inc.	No PI listed	PsychoGenics Inc.	\$312,375	Simons Foundation
<a href="#">Characterization of brain and behavior in 7q11.23 duplication syndrome-Core</a>	Osborne, Lucy	University of Toronto	\$164,853	Simons Foundation
<a href="#">Biomarker discovery for low sociability: A monkey model</a>	Parker, Karen	Stanford University	\$62,500	Simons Foundation
<a href="#">Role of Caspr2 (CNTNAP2) in brain circuits-Core</a>	Peles, Elinor	Weizmann Institute of Science	\$89,999	Simons Foundation
<a href="#">Small-molecule compounds for treating autism spectrum disorders</a>	Philpot, Ben	University of North Carolina at Chapel Hill	\$175,000	Simons Foundation
<a href="#">Role of UBE3A in neocortical plasticity and function</a>	Philpot, Ben	University of North Carolina at Chapel Hill	\$77,686	Simons Foundation
<a href="#">Cerebellar signaling in mouse models of autism</a>	Raman, Indira	Northwestern University	\$125,000	Simons Foundation
<a href="#">Cell type-specific profiling for autism spectrum disorders</a>	Sims, Peter	Columbia University	\$0	Simons Foundation
<a href="#">Effect of abnormal calcium influx on social behavior in autism</a>	Sohal, Vikaas	University of California, San Francisco	\$62,500	Simons Foundation
<a href="#">Studying the neural development of patient-derived stem cells</a>	Song, Hongjun	Johns Hopkins University School of Medicine	\$62,500	Simons Foundation
<a href="#">Neural and cognitive mechanisms of autism</a>	Sur, Mriganka	Massachusetts Institute of Technology	\$0	Simons Foundation
<a href="#">Quantitative analysis of effect of autism-related genes on behavioral regulation</a>	Tecott, Laurence	University of California, San Francisco	\$0	Simons Foundation
<a href="#">Exploring VIPR2 microduplication linkages to autism in a mouse model</a>	Waschek, James	University of California, Los Angeles	\$60,000	Simons Foundation
Misregulation of microtubule dynamics in Autism	Yuan, Xiaobing	Drexel University	\$60,000	Simons Foundation



### 4.S.C

Test safety and efficacy of at least five widely used interventions (e.g., nutrition, medications, assisted technologies, sensory integration, medical procedures) that have not been rigorously studied for use in ASD by 2012. *IACC Recommended Budget: \$27,800,000 over 5 years.*

**2013 Projects: 22**

**2013 Funding: \$1,863,225**

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Metabolic factors affecting gamma synchrony</a>	Casanova, Manuel; Deth, Richard	University of Louisville; Northeastern University	\$0	Autism Research Institute
Healthy GFCF Modified Atkins Diet for Treating Seizures in Autism	Frye, Richard and James Adams	University of Arkansas & Arizona St. University	\$34,000	Autism Research Institute
<a href="#">Electrophysiological and behavioral outcomes of Auditory Integration Training (AIT) in autism</a>	Sokhadze, Estate	University of Louisville	\$0	Autism Research Institute
<a href="#">Behavioral and psycho-physiological study of attentional, perceptual, and emotional processing after treatment with ambient prism lenses and visuo-motor exercises in children with autism spectrum disorder</a>	Sokhadze, Estate	University of Louisville	\$0	Autism Research Institute
<a href="#">The effects of the Hane Face Window© on perceptual processing of children with autism spectrum disorders (ASD)</a>	Yonas, Albert; Corrow, Sherryse	University of Minnesota	\$0	Autism Research Institute
<a href="#">Tuning anxiety out: Exploring the potential of noise cancellation in ASD sound sensitivity</a>	Atherton, Mark	Brunel University	\$0	Autism Speaks
<a href="#">Embodied rhythm interventions for children with autism spectrum disorders</a>	Bhat, Anjana	University of Connecticut	\$60,000	Autism Speaks
<a href="#">Daily ratings of ASD Symptoms with digital media devices: An initial validity study</a>	Wood, Jeffrey	University of California, Los Angeles	\$150,000	Autism Speaks
Randomized trial of a web-based system for building Individualized Education Plans.	Najdowski, Adel	Center for Autism and Related Disorders (CARD)	\$33,250	Center for Autism and Related Disorders
Using eLearning to train educational staff to implement paired-choice preference assessments	Najdowski, Adel	Center for Autism and Related Disorders (CARD)	\$66,500	Center for Autism and Related Disorders



Validity of the CARD Indirect Functional Analysis.	St. Clair, Megan	Center for Autism and Related Disorders (CARD)	\$45,000	Center for Autism and Related Disorders
Comparing table based instruction with Ipad instruction in the teaching of receptive labels.	Tarbox, Jonathan	Center for Autism and Related Disorders (CARD)	\$33,250	Center for Autism and Related Disorders
<a href="#">Intranasal oxytocin for the treatment of children and adolescents with autism spectrum disorders (ASD)</a>	Anagnostou, Evdokia	Holland Bloorview Kids Rehabilitation Hospital	\$0	Department of Defense
<a href="#">A randomized, controlled trial of intranasal oxytocin as an adjunct to behavioral therapy for autism spectrum disorder</a>	Gabrieli, John	Massachusetts General Hospital	\$0	Department of Defense
<a href="#">Effects of therapeutic horseback riding on children and adolescents with autism spectrum disorders</a>	Gabriels, Robin	University of Colorado Denver	\$285,797	National Institutes of Health
<a href="#">Therapy management software for naturalistic model-based behavioral interventions</a>	Jakobovits, Rex	Experiad, LLC.	\$347,991	National Institutes of Health
<a href="#">Training outpatient clinicians to deliver cognitive behavior therapy to children</a>	Reaven, Judy	University of Colorado Denver	\$211,113	National Institutes of Health
<a href="#">Multisensory integration and temporal processing in autism</a>	Stevenson, Ryan	Vanderbilt University	\$44,080	National Institutes of Health
<a href="#">Testing direct effects of soy daidzein on fragile X phenotypes</a>	Westmark, Cara	University of Wisconsin - Madison	\$75,250	National Institutes of Health
<a href="#">Trial of carnitine therapy in TMLHE deficiency and non-dysmorphic autism</a>	Beaudet, Arthur	Baylor College of Medicine	\$330,439	Simons Foundation
<a href="#">Internet-based trial of omega-3 fatty acids for autism spectrum disorder</a>	Bent, Stephen	University of California, San Francisco	\$0	Simons Foundation
<a href="#">Efficacy of N-acetyl cysteine in autism</a>	Berk, Michael	Deakin University	\$146,555	Simons Foundation

## **4.S.D**

Complete two multi-site randomized controlled trials of comprehensive early intervention that address core symptoms, family functioning and community involvement by 2013. *IACC Recommended Budget: \$16,700,000 over 5 years.*

**2013 Projects: 21**

**2013 Funding: \$10,426,942**

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Strengthening the effects of parent-implemented early intervention to improve symptoms of ASD</a>	Estes, Annette	University of Washington	\$256,981	Autism Speaks
<a href="#">Comprehensive parent-mediated intervention for children with autism in southern Taiwan</a>	Lee, Li-Ching	Johns Hopkins University	\$100,000	Autism Speaks
<a href="#">PASS: Parent-mediated intervention for autism spectrum disorders (ASD) in South Asia</a>	Rahman, Atif	University of Liverpool	\$149,916	Autism Speaks
<a href="#">Strengthening the effects of parent-implemented early intervention to improve symptoms of ASD</a>	Rogers, Sally	University of California, Davis	\$253,534	Autism Speaks
<a href="#">Advancing Social-Communication and Play (ASAP): An intervention program for preschoolers with autism</a>	Boyd, Brian; Watson, Linda	University of North Carolina at Chapel Hill	\$886,550	Department of Education
<a href="#">Efficacy and sustainability of the STAR program</a>	Mandell, David	University of Pennsylvania	\$0	Department of Education
<a href="#">Evaluation of a comprehensive community-based intervention for toddlers with ASD</a>	McBride, Bonnie; Schwartz, Ilene	University of Oklahoma Health Sciences Center; University of Washington	\$728,423	Department of Education
<a href="#">Project DATA: A multisite evaluation of a school-based model for preschoolers with autism</a>	McBride, Bonnie; Schwartz, Ilene	University of Oklahoma Health Sciences Center; University of Washington	\$650,000	Department of Education
<a href="#">Joint attention mediated learning intervention for toddlers with autism spectrum disorders and their families</a>	Schertz, Hannah; Odom, Samuel; Baggett, Kathleen	Indiana University; University of North Carolina at Chapel Hill; University of Kansas	\$842,243	Department of Education
<a href="#">Examining the efficacy of classroom pivotal response teaching in classroom environments</a>	Stahmer, Aubyn	Rady Children's Hospital Health Center	\$655,691	Department of Education

<a href="#">LEAP–USA follow-up project</a>	Strain, Phillip	University of Colorado, Denver	\$1	Department of Education
<a href="#">A randomized trial of the SCERTS curriculum for students with autism spectrum disorders in early elementary school classrooms</a>	Wetherby, Amy; Morgan, Lindee	Florida State University	\$0	Department of Education
<a href="#">Comprehensive autism program using Strategies for Teaching based on Autism Research</a>	Young, Helen; Falco, Ruth	Portland State University	\$0	Department of Education
<a href="#">Autism Intervention Research Network on Behavioral Health (AIR-B network)</a>	Kasari, Connie	University of California, Los Angeles	\$1,608,284	Heath Resources and Services Administration
<a href="#">5/5-Randomized trial of parent training for young children with autism</a>	Johnson, Cynthia	University of Pittsburgh	\$226,771	National Institutes of Health
<a href="#">2/5-Randomized trial of parent training for young children with autism</a>	Lecavalier, Luc	The Ohio State University	\$204,169	National Institutes of Health
<a href="#">ACE Network: Intervention effects of intensity and delivery style for toddlers with ASD</a>	Rogers, Sally	University of California, Davis	\$3,118,971	National Institutes of Health
<a href="#">1/5-Randomized trial of parent training for young children with autism</a>	Scahill, Lawrence	Yale University	\$242,996	National Institutes of Health
<a href="#">3/5-Randomized trial of parent training for young children with autism</a>	Smith, Tristram	University of Rochester	\$65,595	National Institutes of Health
<a href="#">3/5-Randomized trial of parent training for young children with autism</a>	Smith, Tristram	University of Rochester	\$215,249	National Institutes of Health
<a href="#">4/5-Randomized trial of parent training for young children with autism</a>	Swiezy, Naomi	Indiana University-Purdue University Indianapolis	\$221,569	National Institutes of Health

#### **4.S.E**

Convene a workshop to advance the understanding of clinical subtypes and treatment personalization (i.e., what are the core symptoms to target for treatment studies) by 2011. *IACC Recommended Budget: \$50,000.*

**(This objective was partially completed in 2011)**

**2013 Projects: 1**

**2013 Funding: \$5,000**

Project Title	Principal Investigator	Institution	Funding	Funder
2013 Dup15q Alliance Scientific Meeting Support	Luschsigner, Kadi	Dup15q Alliance	\$5,000	Simons Foundation

### **4.S.F**

Launch randomized controlled trials of interventions including biological signatures and other measures to predict response, and monitor quality of life and functional outcomes in each of the following groups:

- Five trials in infants and toddlers by 2013. *IACC Recommended Budget: \$30,000,000 over 5 years.*
- Three trials in school-aged children and/or adolescents by 2013. *IACC Recommended Budget: \$18,000,000 over 5 years.*
- Three trials in adults by 2014. *IACC Recommended Budget: \$18,000,000 over 5 years.*

*Total IACC Recommended Budget: \$66,000,000 over 5 years.*

**2013 Projects: 13**

**2013 Funding: \$2,444,294**

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Gender and cognitive profile as predictors of functional outcomes in school-aged children with ASD</a>	Moriuchi, Jennifer	Emory University Marcus Autism Center	\$0	Autism Science Foundation
<a href="#">Acamprosate in Youth with Autism Spectrum Disorders</a>	Erickson, Craig	Cincinnati Childrens Hospital Medical Center	\$149,719	Autism Speaks
<a href="#">Behavioral and neural underpinnings of learning in autism predict response to intervention</a>	Jones, Rebecca	Weill Cornell Medical College	\$50,000	Autism Speaks
<a href="#">Effects of self-generated experiences on social cognitive development in young children with autism</a>	Landa, Rebecca	Kennedy Krieger Institute	\$149,997	Autism Speaks
<a href="#">Evidence-based cognitive rehabilitation to improve functional outcomes for young adults with autism spectrum disorders</a>	Minshew, Nancy	University of Pittsburgh	\$0	Autism Speaks
The use of non-invasive brain stimulation to improve social relating in autism spectrum disorders	Enticott, Peter G.	Monash University	\$28,000	Brain & Behavior Research Foundation

The effects of behavioral intervention on neurological measures of working memory	Tarbox, Jonathan	Center for Autism and Related Disorders (CARD)	\$55,000	Center for Autism and Related Disorders
<a href="#">A randomized clinical trial of cognitive enhancement therapy for adults with autism spectrum disorders</a>	Minshew, Nancy	University of Pittsburgh	\$0	Department of Defense
<a href="#">Identifying markers for treatment response to cognitive training in autism spectrum disorders</a>	Schweitzer, Julie	University of California, Davis	\$560,000	Department of Defense
<a href="#">1/3-Multisite RCT of early intervention for spoken communication in autism</a>	Kasari, Connie	University of California, Los Angeles	\$515,167	National Institutes of Health
<a href="#">3/3-Multisite RCT of early intervention for spoken communication in autism</a>	Landa, Rebecca	Kennedy Krieger Institute	\$442,594	National Institutes of Health
<a href="#">2/3-Multisite RCT of early intervention for spoken communication in autism</a>	Smith, Tristram	University of Rochester	\$350,924	National Institutes of Health
<a href="#">Brain Imaging Markers of Response to Intervention in Toddlers with Autism</a>	Wolff, Jason	University of North Carolina at Chapel Hill	\$142,893	National Institutes of Health

#### **4.S.G**

Support at least five studies on interventions for nonverbal individuals with ASD by 2012. Such studies may include:

- Projects examining service-provision models that enhance access to augmentative and alternative communication (AAC) supports in both classroom and adult service-provision settings, such as residential service-provision and the impact of such access on quality of life, communication, and behavior;
- Studies of novel treatment approaches that facilitate communication skills in individuals who are nonverbal, including the components of effective AAC approaches for specific subpopulations of people with ASD; and
- Studies assessing access and use of AAC for children and adults with ASD who have limited or partially limited speech and the impact on functional outcomes and quality of life.

*IACC Recommended Budget: \$3,000,000 over 2 years.*

**2013 Projects: 9**

**2013 Funding: \$3,904,625**

Project Title	Principal Investigator	Institution	Funding	Funder
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<a href="#">Emergent communication skills of nonverbal children with autism facilitated by relational responding</a>	Dymond, Simon	Swansea University	\$57,996	Autism Speaks
<a href="#">Comparing AMMT vs. Control Therapy in facilitating speech output in nonverbal children with autism</a>	Schlaug, Gottfried	Beth Israel Deaconess Medical Center	\$0	Autism Speaks
<a href="#">Do animations facilitate symbol understanding in children with autism?</a>	Schlosser, Ralf	Northeastern University	\$0	Department of Education
<a href="#">Contingency analyses of observing and attending in intellectual disabilities</a>	Dube, William	University of Massachusetts Medical School	\$261,988	National Institutes of Health
<a href="#">ACE Center: Inter-regional connectivity in the speech network of minimally verbal children</a>	Guenther, Frank	Boston University	\$376,136	National Institutes of Health
<a href="#">ACE Network: Adaptive interventions for minimally verbal children with ASD in the community</a>	Kasari, Connie	University of California, Los Angeles	\$2,546,852	National Institutes of Health
<a href="#">Optimizing initial communication for children with autism</a>	McIlvane, William	University of Massachusetts Medical School	\$333,168	National Institutes of Health
<a href="#">Peer-mediated ACC intervention for children with autism: effects on communication</a>	Thiemann-Bourque, Kathy	University of Kansas	\$308,485	National Institutes of Health
<a href="#">An experimental evaluation of matrix training to teach graphic symbol combinations in severe autism</a>	Wendt, Oliver	Purdue University	\$20,000	Organization for Autism Research

#### **4.S.H**

Support at least two studies that focus on research on health promotion and prevention of secondary conditions in people with ASD by 2012. Secondary conditions of interest include weight issues and obesity, injury, and co-occurring psychiatric and medical conditions. *IACC Recommended Budget: \$5,000,000 over 3 years.*

**2013 Projects: 3**  
**2013 Funding: \$724,478**

Project Title	Principal Investigator	Institution	Funding	Funder
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<a href="#">Tailored behavioral intervention for insomnia in children with autism spectrum disorders</a>	Souders, Margaret	University of Pennsylvania	\$0	Department of Defense
<a href="#">Electronic location reporting for individuals with cognitive disabilities</a>	Saripalli, Suman	Intellispeak, LLC	\$704,478	National Institutes of Health
<a href="#">Growing Up Aware: A parent-based sexuality intervention for children with autism spectrum disorders</a>	Ballan, Michelle	Columbia University	\$20,000	Organization for Autism Research

#### **4.L.A**

Complete at least three randomized controlled trials on medications targeting core symptoms in people with ASD of all ages by 2014. *IACC Recommended Budget: \$22,200,000 over 5 years.*

**2013 Projects: 12**

**2013 Funding: \$4,189,239**

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">A multi-site double-blind placebo-controlled trial of memantine vs. placebo in children with autism</a>	Anagnostou, Evdokia	Holland Bloorview Kids Rehabilitation Hospital	\$0	Autism Speaks
<a href="#">Randomized controlled trial of oxytocin treatment for social deficits in children with autism</a>	Carson, Dean	Stanford University	\$53,600	Autism Speaks
<a href="#">Association of cholinergic system dysfunction with autistic behavior in fragile X syndrome: Pharmacologic and imaging probes</a>	Reiss, Allan	Stanford University	\$0	Autism Speaks
<a href="#">Randomized phase 2 trial of RAD001 (an mTOR inhibitor) in patients with tuberous sclerosis complex</a>	Sahin, Mustafa	Boston Children's Hospital	\$0	Autism Speaks
Treatment of Overweight Induced by Antipsychotic Medication in Young People with ASD	Anagnostou, Evdokia	Holland Bloorview Rehabilitation Hospital	\$468,376	Heath Resources and Services Administration
<a href="#">Controlled trial of sertraline in young children with Fragile X Syndrome</a>	Hagerman, Randi	University of California, Davis	\$285,943	Heath Resources and Services Administration



<a href="#">Piloting treatment with insulin-like growth Factor-1 in Phelan-McDermid syndrome</a>	Kolevzon, Alexander	Mount Sinai School of Medicine	\$366,363	National Institutes of Health
<a href="#">ACE Center: Augmenting language interventions for ASD: A translational approach</a>	McCracken, James	University of California, Los Angeles	\$269,087	National Institutes of Health
<a href="#">The role of vasopressin in the social deficits of autism</a>	Parker, Karen	Stanford University	\$235,500	National Institutes of Health
<a href="#">ACE Network: Study of Oxytocin in Autism to Improve Reciprocal Social Behaviors (SOARS-B)</a>	Sikich, Linmarie	University of North Carolina at Chapel Hill	\$2,435,695	National Institutes of Health
<a href="#">Evaluation of a melanocortin agonist to improve social cognition in autism</a>	Guastella, Adam	University of Sydney	\$74,675	Simons Foundation
<a href="#">Testing the use of helminth worm ova in treating autism spectrum disorders</a>	Hollander, Eric	Montefiore Medical Center	\$0	Simons Foundation

#### **4.L.B**

Develop interventions for siblings of people with ASD with the goal of reducing risk recurrence by at least 30% by 2014. *IACC Recommended Budget: \$6,700,000 over 5 years.*

**2013 Projects: 2**

**2013 Funding: \$349,595**

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Pivotal response treatment for infants at risk for ASD: A pilot intervention</a>	Chawarska, Katarzyna	Yale University	\$79,900	National Institutes of Health
<a href="#">ACE Center: Targeting joint engagement in infants at risk for ASD: Integrating treatment with biomarkers</a>	Kasari, Connie	University of California, Los Angeles	\$269,695	National Institutes of Health

#### **4.L.C**

Conduct at least one study to evaluate the safety and effectiveness of medications commonly used in the treatment of co-occurring conditions or specific behavioral issues in people with ASD by 2015. *IACC Recommended Budget: \$10,000,000 over 5 years.*

**2013 Projects: 7**

**2013 Funding: \$665,668**

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Human Clinical Trial of IGF-1 in Children with Idiopathic ASD</a>	Kolevzon, Alexander	Icahn School of Medicine at Mount Sinai	\$25,000	Autism Science Foundation
<a href="#">Mirtazapine treatment of anxiety in children and adolescents with pervasive developmental disorders</a>	McDougle, Christopher	Indiana University	\$99,971	Autism Speaks
<a href="#">Metabolic signature of antipsychotics used in the treatment of autism</a>	Ben-Jonathan, Nira	University of Cincinnati	\$0	Department of Defense
<a href="#">2/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD</a>	King, Bryan	Seattle Children's Hospital	\$171,791	National Institutes of Health
<a href="#">3/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD</a>	McCracken, James	University of California, Los Angeles	\$200,372	National Institutes of Health
<a href="#">1/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD</a>	McDougle, Christopher	Indiana University-Purdue University Indianapolis	\$1	National Institutes of Health
<a href="#">4/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD</a>	Scahill, Lawrence	Yale University	\$168,533	National Institutes of Health

#### **4.L.D**

Support at least five community-based studies that assess the effectiveness of interventions and services in broader community settings by 2015.

Such studies may include comparative effectiveness research studies that assess the relative effectiveness of:

- Different and/or combined medical, pharmacological, nutritional, behavioral, service-provision, and parent- or caregiver-implemented treatments;
- Scalable early intervention programs for implementation in underserved, low-resource, and low-literacy populations; and
- Studies of widely used community intervention models for which extensive published data are not available.

Outcome measures should include assessment of potential harm as a result of autism treatments, as well as positive outcomes. *IACC*

*Recommended Budget: \$37,500,000 over 5 years.*

**2013 Projects: 52**

**2013 Funding: \$11,745,499**

Project Title	Principal Investigator	Institution	Funding	Funder
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<a href="#">Using Growth Trajectories To Predict Distal Outcomes in Parent-Implemented Intervention for Toddlers</a>	Guthrie, Whitney	Florida State University	\$29,500	Autism Speaks
<a href="#">Effectiveness of reciprocal imitation training for adolescents with low-functioning autism</a>	Ingersoll, Brooke	Michigan State University	\$0	Autism Speaks
<a href="#">Deployment focused model of JASPER for preschoolers with autism spectrum disorders</a>	Kasari, Connie	University of California, Los Angeles	\$288,364	Autism Speaks
<a href="#">Early intervention in an underserved population</a>	Lord, Catherine	University of Michigan	\$85,420	Autism Speaks
<a href="#">Which placement for which child? Moderators of outcome in an urban early intervention system</a>	Mandell, David	University of Pennsylvania	\$0	Autism Speaks
<a href="#">Parent training to reduce the elopement of children with ASD at home and in the community</a>	McAdam, David	University of Rochester	\$0	Autism Speaks
<a href="#">Cognitive behavioral therapy for core autism symptoms in school-age children</a>	Wood, Jeffrey	University of California, Los Angeles	\$150,000	Autism Speaks
Teaching children with autism to identify others' knowledge	Bergstrom, Ryan	Center for Autism and Related Disorders (CARD)	\$13,650	Center for Autism and Related Disorders
Teaching children with autism to deal with jealousy constructively	Bergstrom, Ryan	Center for Autism and Related Disorders (CARD)	\$22,750	Center for Autism and Related Disorders
Teaching children with autism to identify social saliency: Shifting attention	Persicke, Angela	Center for Autism and Related Disorders (CARD)	\$14,700	Center for Autism and Related Disorders
Teaching children with autism to respond to subtle social cues: Desires	Persicke, Angela	Center for Autism and Related Disorders (CARD)	\$24,500	Center for Autism and Related Disorders
Teaching children with autism self-monitoring skills	Ranick, Jennifer	Center for Autism and Related Disorders (CARD)	\$22,400	Center for Autism and Related Disorders
Teaching children with autism to detect deception	Ranick, Jennifer	Center for Autism and Related Disorders (CARD)	\$21,000	Center for Autism and Related Disorders

Increasing flexibility in children with autism	Ranick, Jennifer	Center for Autism and Related Disorders (CARD)	\$24,500	Center for Autism and Related Disorders
Design and evaluation of a motion-sensing computer program for teaching children with autism	Tarbox, Jonathan	Center for Autism and Related Disorders (CARD)	\$23,100	Center for Autism and Related Disorders
<a href="#">Parent-implemented social-pragmatic communication intervention for young children with developmental disabilities</a>	Angell, Maureen	Illinois State University	\$0	Department of Education
<a href="#">iSKILLS : The audio/video guidance repository for life skills</a>	Ayres, Kevin; Rieber, Lloyd; Cihak, David	University of Georgia; University of Tennessee	\$0	Department of Education
<a href="#">Related services intervention for expressive and receptive language skills in autism spectrum disorder and in cognitive impairment</a>	Camarata, Steven	Vanderbilt University	\$0	Department of Education
<a href="#">Peer support and peer network interventions to improve peer relationships and school engagement</a>	Carter, Erik; Asmus, Jennifer	Vanderbilt University; University of Wisconsin-Madison	\$0	Department of Education
<a href="#">Dynamic E-Learning to Improve Postsecondary Transition Outcomes for Secondary Students with High Functioning Autism</a>	Childress, Debra	3-C Institute for Social Development	\$150,000	Department of Education
<a href="#">I-CONNECT PLUS: Enhancing Community Participation for Adolescents and Adults with ASD Using Online Instruction, Coaching, and Accessible Self-Management Technologies.</a>	Kamps, Debra	University of Kansas Center for Research, INC.	\$458,224	Department of Education
<a href="#">Improving social-communication, literacy, and adaptive behaviors for young children with autism spectrum disorders</a>	Kamps, Debra; Schwartz, Ilene	University of Kansas; University of Washington	\$0	Department of Education
<a href="#">Developing a 3D-based virtual learning environment for use in schools to enhance the social competence of youth with autism spectrum disorder</a>	Laffey, James; Stichter, Janine	University of Missouri	\$0	Department of Education
<a href="#">Development of a social and communication intervention for preschoolers with autism</a>	Landa, Rebecca	Kennedy Krieger Institute	\$499,938	Department of Education
<a href="#">Using Peer Models in the Context of Small-Group Direct Instruction to Teach Social and Academic Skills to Children with Autism</a>	Ledford, Jennifer	Vanderbilt University	\$0	Department of Education

<a href="#">Efficacy of a Comprehensive School-Based Intervention for Children with High-Functioning Autism Spectrum Disorders (HFASDs)</a>	Lopata, Christopher	Canisius College	\$840,477	Department of Education
<a href="#">A computer-based social intervention for students with high functioning ASD: Using technology to improve special education</a>	McMillan, Janey	3-C Institute for Social Development	\$0	Department of Education
<a href="#">Virtual reality applications for the study of attention and learning in children with autism and ADHD</a>	Mundy, Peter	University of California, Davis	\$384,185	Department of Education
<a href="#">Center on Secondary Education for Students with Autism Spectrum Disorders (CSESA)</a>	Odom, Samuel	University of North Carolina at Chapel Hill	\$2,033,801	Department of Education
<a href="#">Adapting an Evidence-Based Program for Infants and Toddlers at High Risk for Autism</a>	Stahmer, Aubyn	University of California, San Diego	\$364,194	Department of Education
<a href="#">Evaluating the efficacy of the school-based Social Competence Intervention for Adolescents (SCI-A) with high functioning autism</a>	Stichter, Janine	University of Missouri	\$787,019	Department of Education
<a href="#">Developing a school-based social competence intervention (SCI)</a>	Stichter, Janine	University of Missouri	\$0	Department of Education
<a href="#">Handheld Technology for Speech Development in Students with Autism spectrum Disorders</a>	Tedesco, Robert	HandHold Adaptive, LLC	\$899,857	Department of Education
<a href="#">iPrompt to improve teaching students with ASD</a>	Tedesco, Robert	HandHold Adaptive, LLC	\$0	Department of Education
<a href="#">Development of an intervention to enhance the social competencies of children with Asperger's/high functioning autism spectrum disorders</a>	Volker, Martin; Lopata, Christopher; University of Rochester	University at Buffalo, The State University of New York	\$0	Department of Education
<a href="#">Factors associated with positive outcomes for children and youth with autism: Secondary analysis of data from SEELS and NLTS2</a>	Wagner, Mary; Wei, Xin; Yu, Jennifer	SRI International	\$357,724	Department of Education
<a href="#">Efficacy of a parent-mediated intervention for one-year-olds at risk for autism</a>	Watson, Linda	University of North Carolina at Chapel Hill	\$0	Department of Education

<a href="#">Efficacy of a qigong massage methodology for children with ASD aged 3-11 years</a>	Gabrielsen, Kristen	Western Oregon University	\$299,801	Heath Resources and Services Administration
<a href="#">Efficacy of the home TEACCHing program for toddlers with autism</a>	Turner-Brown, Lauren	University of North Carolina at Chapel Hill	\$299,975	Heath Resources and Services Administration
<a href="#">Animal-assisted intervention for children with autism spectrum disorder</a>	Beck, Alan	Purdue University	\$57,383	National Institutes of Health
<a href="#">Preschool reading and language interventions for children with autism</a>	Hudson, Roxanne	University of Washington	\$279,933	National Institutes of Health
<a href="#">ACE Center: Changing developmental trajectories through early treatment</a>	Wetherby, Amy	Emory University	\$642,931	National Institutes of Health
<a href="#">Software to enrich the noun lexicons and lexical learning of children with autism</a>	Wilson, Mary	Laureate Learning Systems, Inc.	\$757,099	National Institutes of Health
<a href="#">Kit for Kids evaluation project: An initial evaluation of evidence-based peer education materials</a>	Campbell, Jonathan	University of Kentucky	\$20,000	Organization for Autism Research
<a href="#">Evaluation of synchronous online parent skill training</a>	Desrochers, Marcie	The Research Foundation of the State University of New York	\$10,000	Organization for Autism Research
<a href="#">Improving Social-Communication and Engagement of Elementary Students with Autism Spectrum Disorders</a>	Dykstra, Jessica	University of North Carolina at Chapel Hill	\$20,000	Organization for Autism Research
<a href="#">Effects of incidental teaching on expressive language of school age children with ASD who use AAC</a>	Finke, Erinn	Pennsylvania State University	\$27,344	Organization for Autism Research
<a href="#">Using lag schedules of reinforcement to teach play skills to children with autism spectrum disorders</a>	Lang, Russell	Texas State University	\$9,278	Organization for Autism Research
<a href="#">Effectiveness of a virtual coach application in social skills training for teens with ASD</a>	Laugeson, Elizabeth	University of California, Los Angeles	\$30,000	Organization for Autism Research
<a href="#">Enhancing traditional group social skill instruction using video-based group instruction tactics</a>	Plavnick, Joshua; Ingersoll, Brooke	Michigan State University	\$20,000	Organization for Autism Research

<a href="#">Expanding the reach of toddler treatment in autism</a>	Vismara, Laurie	University of California, Davis	\$18,569	Organization for Autism Research
<a href="#">A Community-Based Executive Function Intervention for Low-Income Children with ADHD and ASD</a>	Anthony, Laura Gutermuth; Kenworthy, Lauren	Children's Research Institute	\$1,757,884	Patient-Centered Outcomes Research Institute

<b>4.Other</b> Not specific to Question 4 objectives <b>2013 Projects: 34</b> <b>2013 Funding: \$5,714,722</b>				
Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">EPC Systematic Review: Autism Spectrum Disorders - Update</a>	Vanderbilt EP	Vanderbilt EPC	\$225,000	Agency for Healthcare Research Quality
<a href="#">Effects of active motor &amp; social training on developmental trajectories in infants at high risk for ASD</a>	Libertus, Klaus	Kennedy Krieger Institute	\$0	Autism Science Foundation
<a href="#">A non-interactive method for teaching noun and verb meanings to young children with ASD</a>	Arunachalam, Sudha	Boston University	\$58,900	Autism Speaks
<a href="#">Hybrid social communication intervention for children with ASD: Sibling mediation and video modeling</a>	Donaldson, Amy	Portland State University	\$59,997	Autism Speaks
<a href="#">Efficacy of Parent-Child Interaction Therapy with ASD</a>	Handen, Benjamin	University of Pittsburgh	\$0	Autism Speaks
<a href="#">The use of eye-tracking as an outcome measure for an innovative early social intervention for ASD</a>	Koegel, Robert	University of California, Santa Barbara	\$0	Autism Speaks
<a href="#">The BUFFET Program: Building Up Food Flexibility and Exposure Treatment</a>	Kuschner, Emily	Children's Hospital of Philadelphia	\$53,104	Autism Speaks
<a href="#">Training Community Providers to Implement an Evidence-Based Early Intervention Program</a>	Stahmer, Aubyn	University of California, Davis	\$149,569	Autism Speaks



<a href="#">Let's Face It! 2.0: Training the dynamics of facial expressions for children with ASD</a>	Tanaka, James	University of Victoria	\$0	Autism Speaks
<a href="#">Psychiatric Crisis among Youth and Transition-age Adults with Autism Spectrum Disorder</a>	Vasa, Roma	Hugo W. Moser Research at Kennedy Krieger, Inc.	\$0	Autism Speaks
<a href="#">CIHR Chair: Autism Spectrum Disorders Treatment and Care Research</a>	Weiss, Jonathan	York University	\$15,000	Autism Speaks
Exploration of resting-state network dynamics in autism spectrum disorders	Eldaief, Mark Christian	Harvard University	\$30,000	Brain & Behavior Research Foundation
Whole Brain Mapping of the Effects of Intranasal Oxytocin in CNTNAP2 KO Mouse Model of Autism	Kim, Yongsoo	Cold Spring Harbor Laboratory	\$0	Brain & Behavior Research Foundation
<a href="#">Virtual Environment for Social Information Processing (VESIP) Phase II</a>	Crossman, Jacob	Soar Technology, Inc..	\$0	Department of Education
<a href="#">Utility of social robots for promoting joint attention in infants and toddlers with disabilities</a>	Dunst, Carl	Orelena Hawks Puckett Institute	\$0	Department of Education
<a href="#">Using robotics to promote social cognitive skills in the inclusive classroom</a>	Lathan, Corinna	Anthrotronix, Inc.	\$0	Department of Education
<a href="#">Phase 2: Animated Visual Support for Social Support (AViSSS): An interactive virtual experience for social skill development</a>	Smith, Sean	University Of Kansas Center For Research, Inc. - - Sped - Special Education Educ Education Administration - Sped - Special Education Educ Education Administration	\$0	Department of Education
<a href="#">Assessing interactive avatars for use with children with autism</a>	Carter, Elizabeth	Carnegie Mellon University	\$72,883	National Institutes of Health
<a href="#">Peers, play and performance to improve social interaction in autism</a>	Corbett, Blythe	Vanderbilt University Medical Center	\$234,000	National Institutes of Health
<a href="#">Atypical effects of reinforcement procedures in ASD</a>	McIlvane, William	University of Massachusetts Medical School	\$250,000	National Institutes of Health
<a href="#">Adapting cognitive enhancement therapy for ASD</a>	Minshew, Nancy	University of Pittsburgh	\$211,536	National Institutes of Health

<a href="#">Fast-as -new experimental medicine studies: Fast-fail trials in autism spectrum</a>	No PI listed	University of California, Los Angeles	\$2,312,083	National Institutes of Health
<a href="#">Neuroactive steroid GABAA receptor positive modulators for fragile X syndrome</a>	Robichaud, Albert	Sage Therapeutics, Inc.	\$162,500	National Institutes of Health
<a href="#">Adaptive response technology for autism spectrum disorders intervention</a>	Sarkar, Nilanjan	Vanderbilt University Medical Center	\$359,376	National Institutes of Health
<a href="#">Wireless EEG system for training attention and eye movement in ASD</a>	Townsend, Jeanne	University of California, San Diego	\$214,722	National Institutes of Health
<a href="#">Treatment of Autism Symptoms in Children (TASC): Initial RCT with active control</a>	Wood, Jeffrey	University of California, Los Angeles	\$369,600	National Institutes of Health
<a href="#">HCC-Medium: Personalized socially-assistive human-robot interaction: Applications to autism spectrum disorder</a>	Mataric, Maja	University of Southern California	\$8,000	National Science Foundation
<a href="#">SBIR Phase I: A consumer robot designed to help children with autism spectrum disorders practice critical social skills</a>	Patel, Seema	Interbots LLC	\$0	National Science Foundation
<a href="#">A novel adaptive transactional virtual reality-based assistive technology for autism intervention</a>	Sarkar, Nilanjan	Vanderbilt University	\$0	National Science Foundation
<a href="#">Individualized Adaptive Robot-Mediated Intervention Architecture for Autism</a>	Sarker, Nilanjan	Vanderbilt University	\$312,753	National Science Foundation
<a href="#">Increasing variability of verbal initiations through the responses of conversation patterns</a>	Petursdottir, Anna	Texas Christian University	\$2,449	Organization for Autism Research
<a href="#">Home-based system for biobehavioral recording of individuals with autism</a>	Goodwin, Matthew	Northeastern University	\$353,250	Simons Foundation
<a href="#">Prosodic and pragmatic training in highly verbal children with autism</a>	Snedeker, Jesse	Harvard University	\$200,000	Simons Foundation
<a href="#">Exploring links between multisensory and cognitive function in autism</a>	Wallace, Mark	Vanderbilt University	\$60,000	Simons Foundation